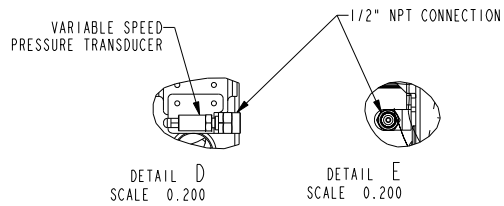
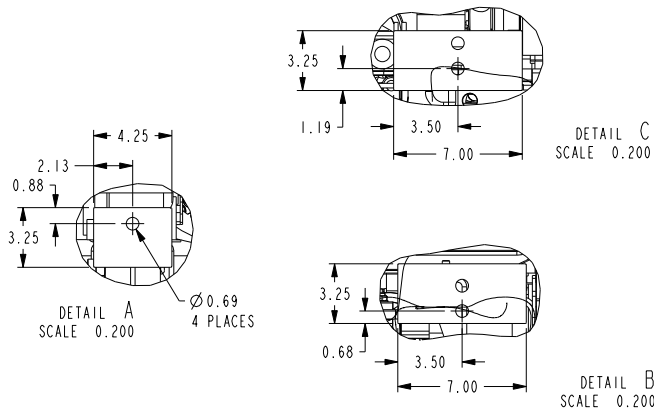
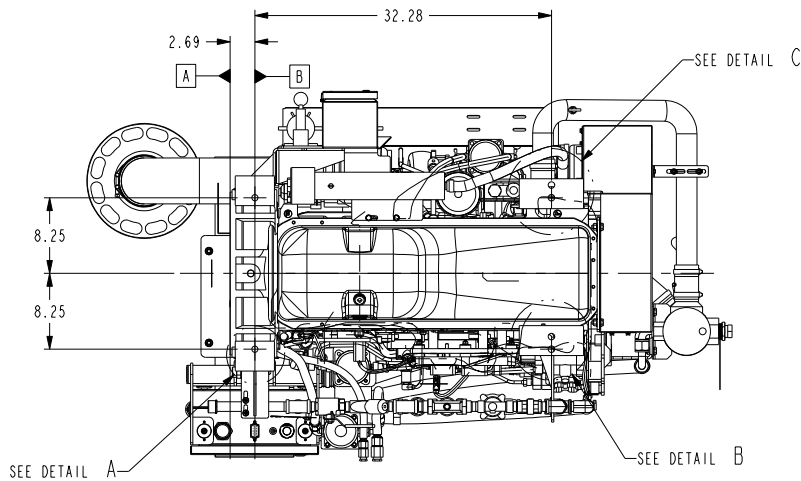
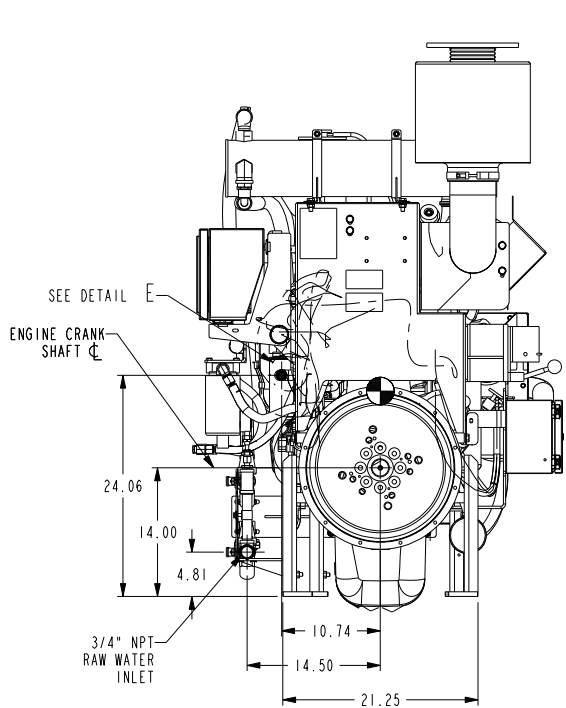
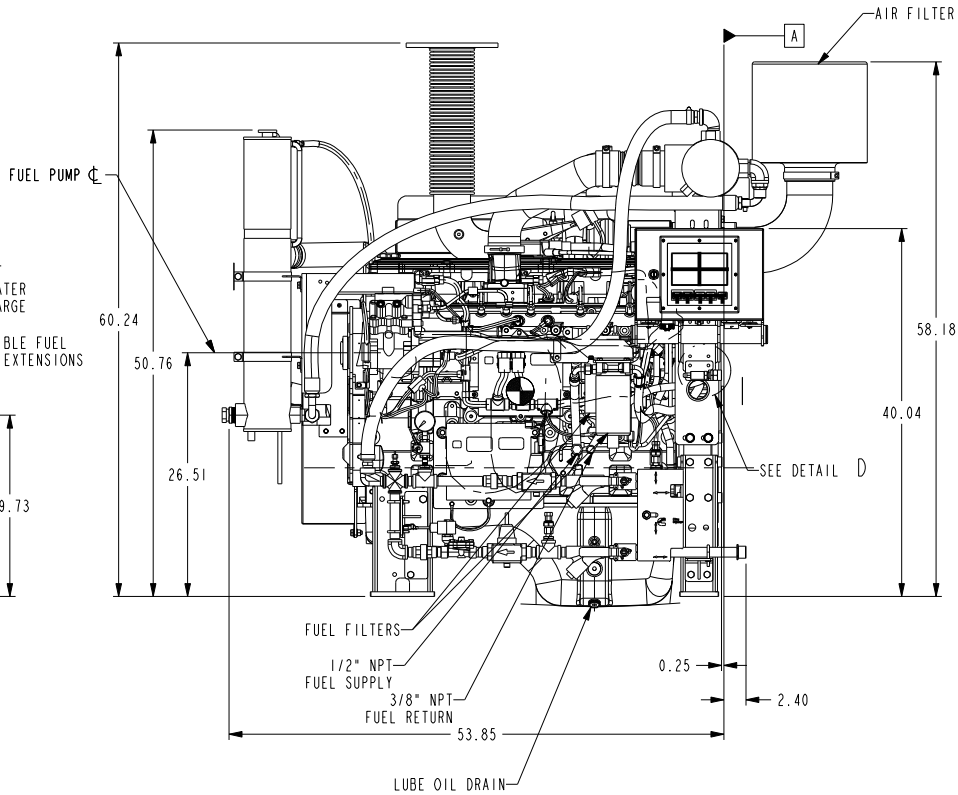
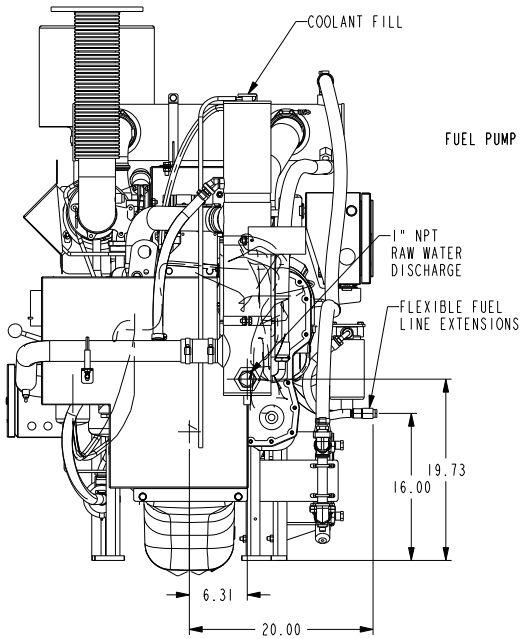
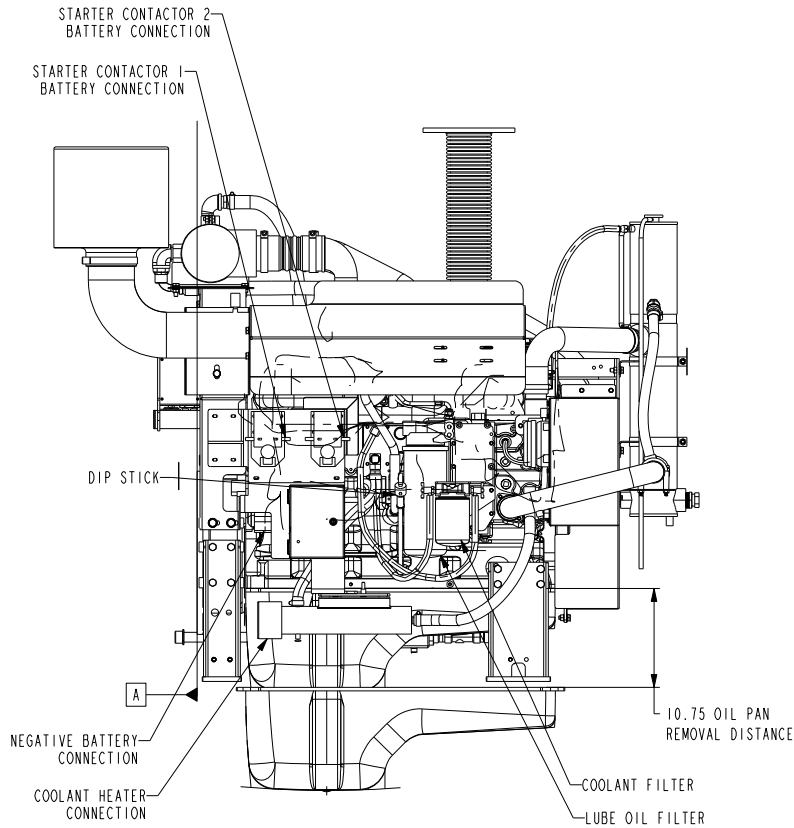
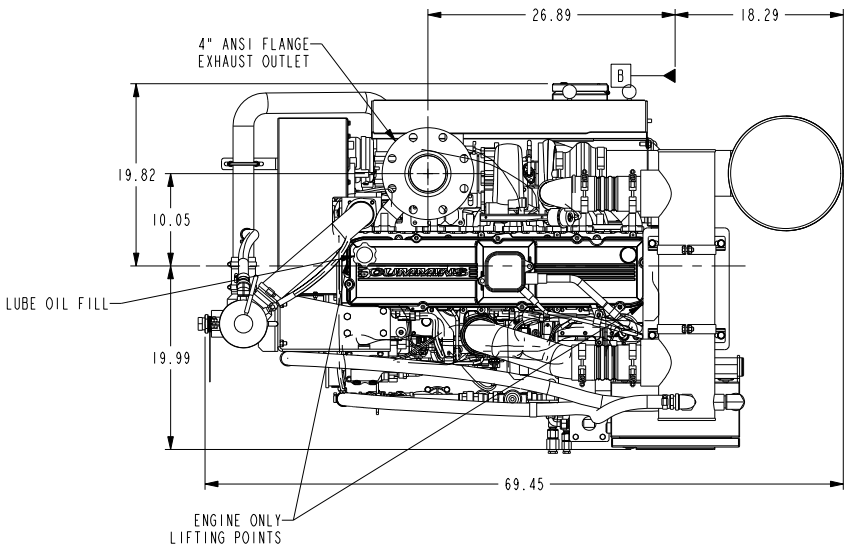


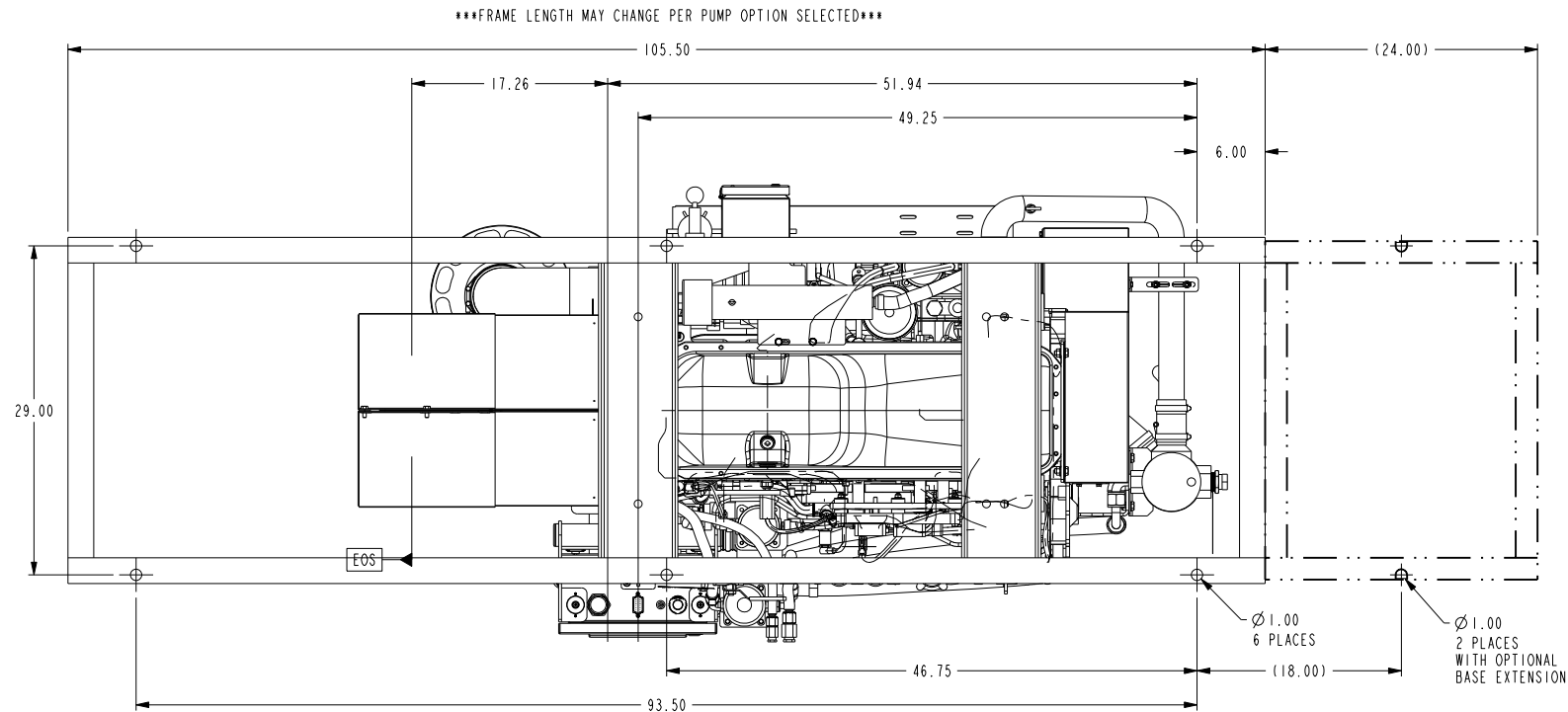
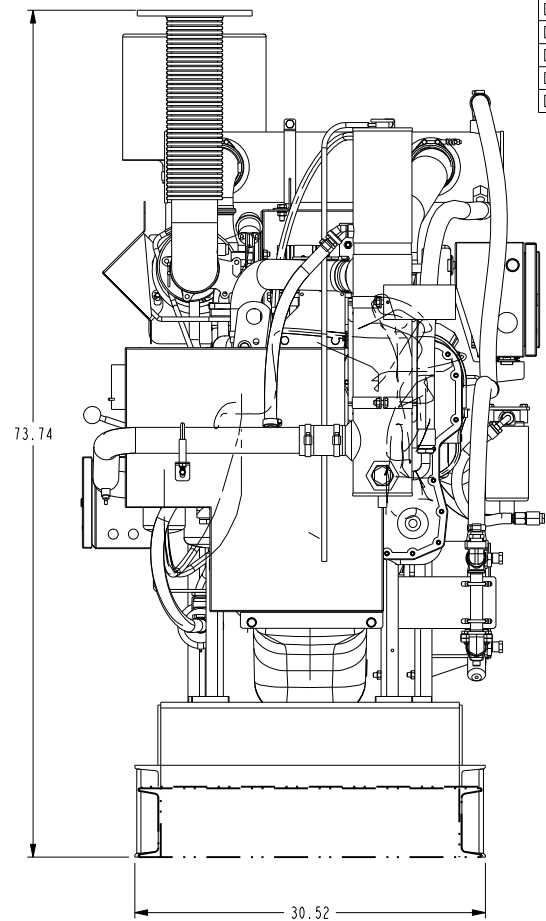
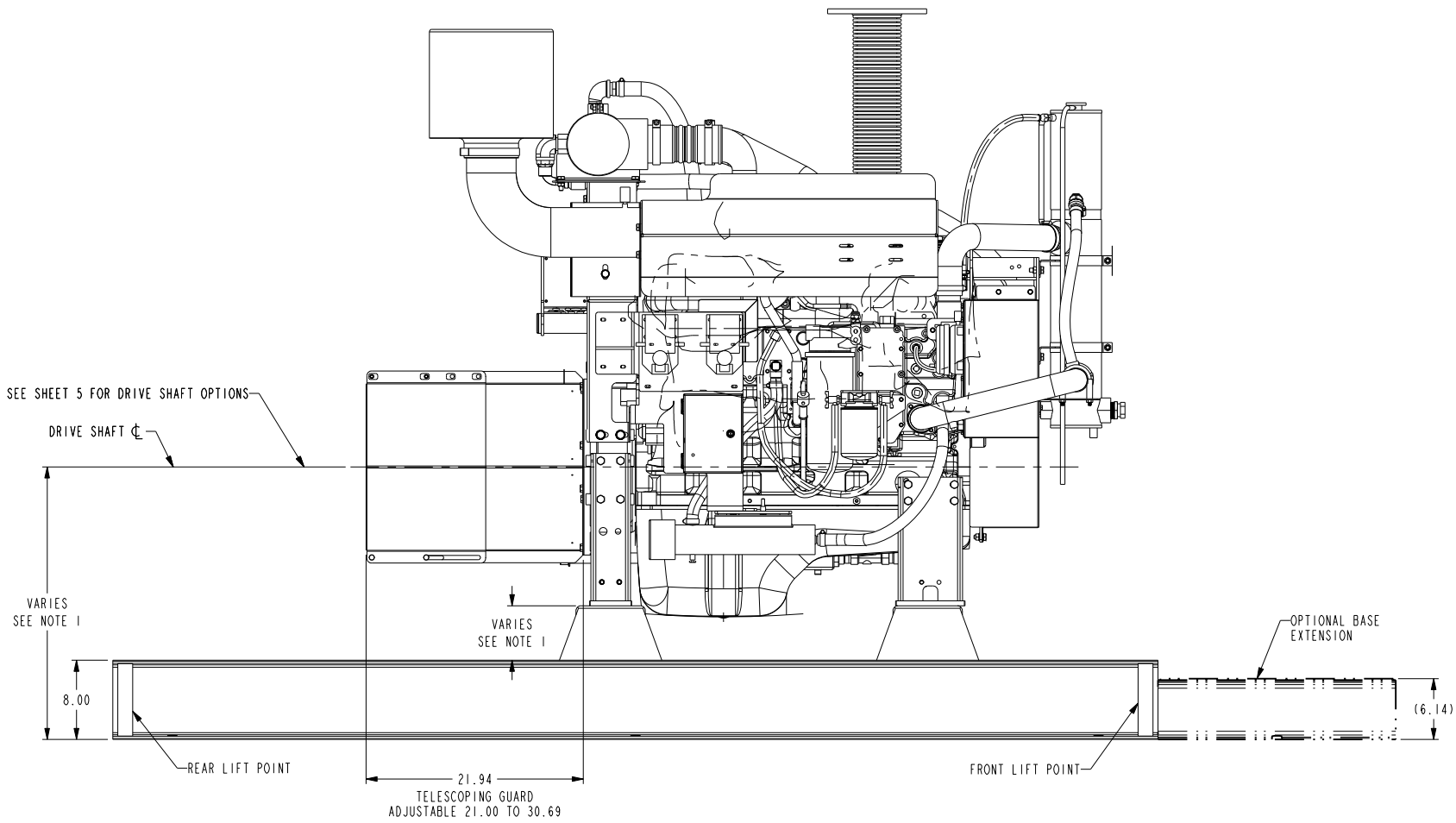
CFP9E CONNECTION INFORMATION	
SAE #3	FLYWHEEL HOUSING
1/2" NPT	FUEL INLET
3/8" NPT	FUEL OUTLET
3/4" NPT	RAW WATER INLET
1" NPT	RAW WATER DISCHARGE
120 / 240 VAC	COOLANT HEATER (1500WATTS)
4" DIA NPT, CUFF, OR FLANGE	EXHAUST CONNECTION
1/2" NPT	VSP/LC CONNECTION

NOTES:
1. ALL PLUMBING MUST BE SUPPORTED AND/OR ISOLATED SO THAT NO WEIGHT OR STRESS IS APPLIED TO ANY ENGINE COMPONENT.
2. REFER TO ENGINE DATA SHEET FOR CUSTOMER CONNECTION RECOMMENDATIONS.
3. DRAWING SUBJECT TO CHANGE WITH OUT NOTICE.

LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT



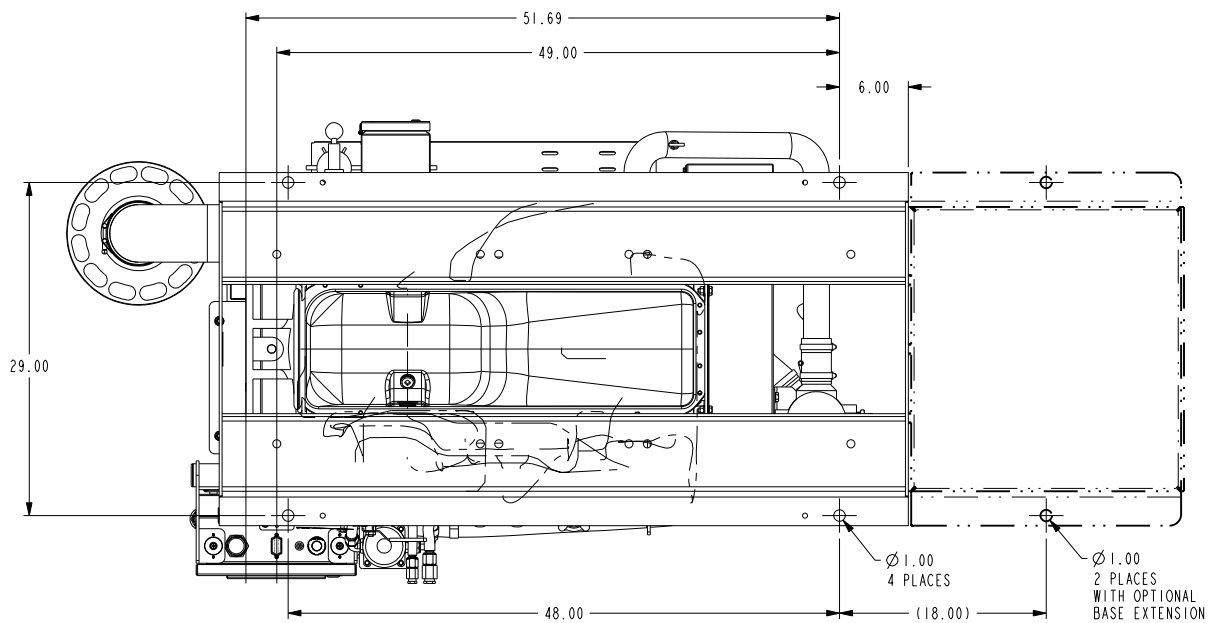
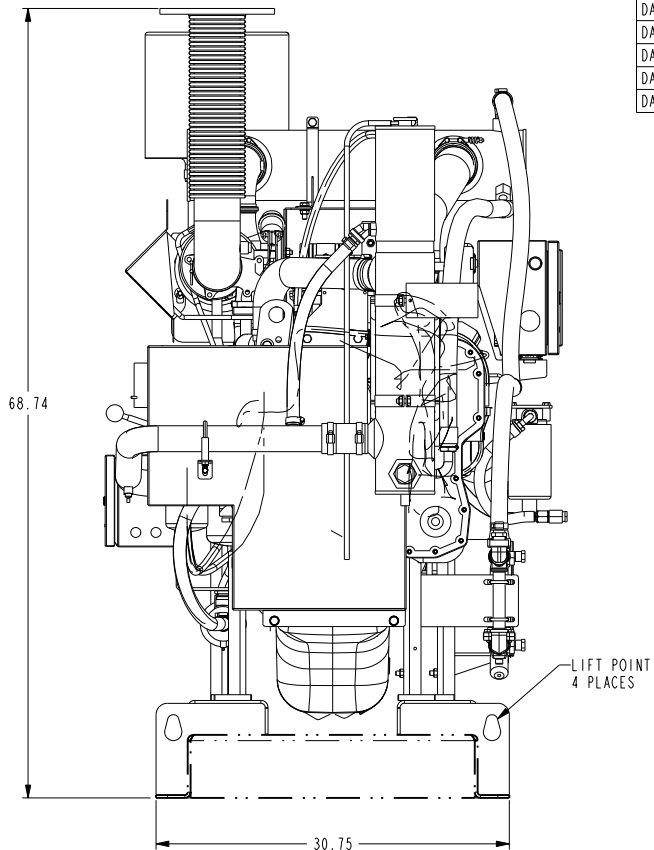
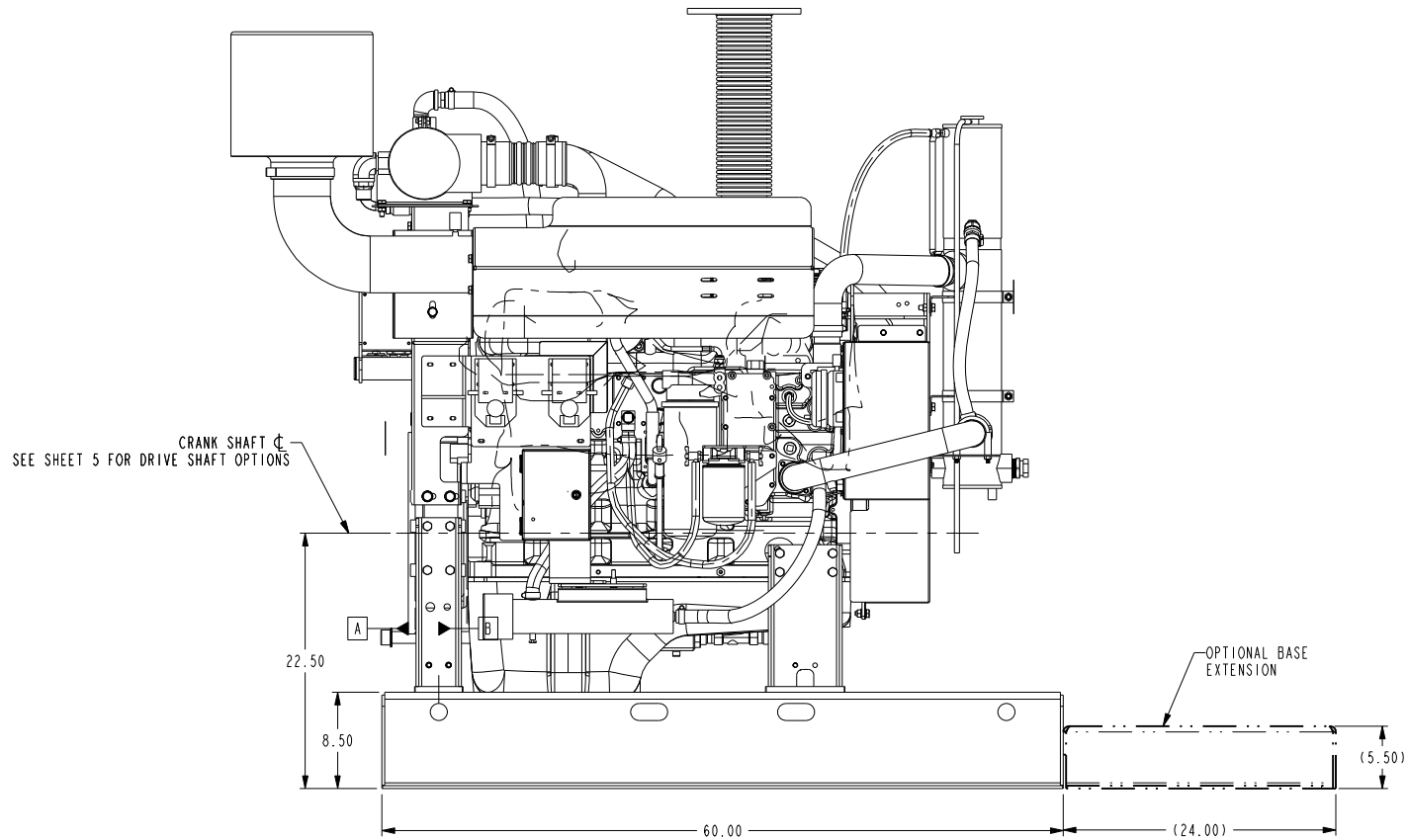
This document contains confidential and trade secret information, is the property of Cummins Fire Power LLC and is given in confidence to the customer. The customer, by receiving and retaining this document, agrees to maintain its confidentiality and not to disclose it to any third party without the written consent of Cummins Fire Power LLC. If the customer discloses this information to any third party, the customer shall be liable for all damages, including reasonable attorneys' fees, incurred by Cummins Fire Power LLC. If the customer discloses this information to any third party, the customer shall be liable for all damages, including reasonable attorneys' fees, incurred by Cummins Fire Power LLC.		Fire Power		CUMMINS FIRE POWER LLC CORPORATE OFFICE 1600 BUREAU ROAD WHITE BEAR LAKE, MN WWW.CUMMINSFIREPOWER.COM	CUSTOM DESIGN AND UPPIT CENTER 875 LAWRENCE DRIVE DEPERE, WISCONSIN
UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE: ANGULAR DIMENSIONS: ± 1° THIRD ANGLE PROJECTION		GENERAL ARRANGEMENT CFP9E-F10/20/30/40/50/60		DWG UNITS: IN/LB/S SCALE: 0.100 EST WEIGHT:	DATE: 10JAN2017 INIT ECO: 2016-668 SHEET 1 OF 6 DRAWING NO: A042J658



LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

- NOTES:
1. RISER HEIGHT VARIES TO ACCOMMODATE CUSTOMER SUPPLIED PUMPS
 2. REFERENCE OWNERS MANUAL FOR DRIVE SHAFT ALIGNMENT SPECS
 3. DRAWING SUBJECT TO CHANGE WITH OUT NOTICE.
 4. REFERENCE SHEET 1 FOR BASE FIRE PUMP INTERFACE

This document contains confidential and trade secret information, is the property of Cummins Fire Pump LLC and is given in full confidence to the recipient. The recipient, by receiving and retaining it, shall not disclose it to any third party without the prior written consent of Cummins Fire Pump LLC. If you are not the intended recipient, you should not disseminate, distribute, or use this information. If you have received this document in error, please notify the sender immediately. If you are not the intended recipient, you should not disseminate, distribute, or use this information. If you have received this document in error, please notify the sender immediately. If you are not the intended recipient, you should not disseminate, distribute, or use this information. If you have received this document in error, please notify the sender immediately.		Fire Power		CUMMINS FIRE POWER LLC CORPORATE OFFICE 1600 BUECKLE ROAD WHITE BEAR LAKE, MN WWW.CUMMINSFIREPOWER.COM	CUSTOM DESIGN AND DRAFT CENTER 875 LAWRENCE DRIVE DEPERE, WISCONSIN
UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE: ANGULAR DIMENSIONS: ± 1° THIRD ANGLE PROJECTION		GENERAL ARRANGEMENT CFP9E-F10/20/30/40/50/60		DWG UNITS: IN/LB/S SCALE: 0.125	DATE: 10JAN2017
REV ECO DESCRIPTION OF REVISION REV BY DATE		DRAWN BY: PBS PRO-ENGINEER		SHEET 2 OF 6	DRAWING NO: A042J658

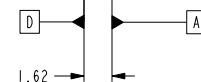
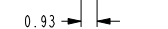
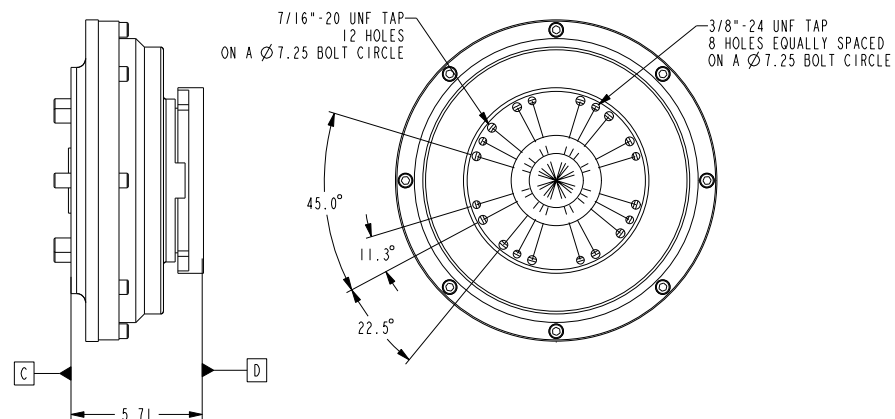
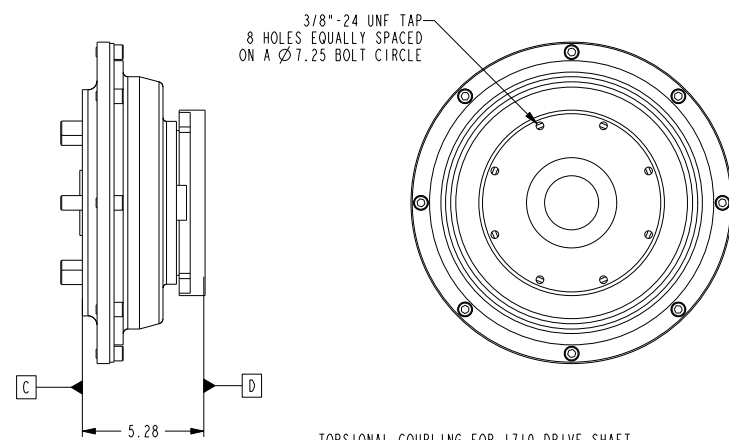
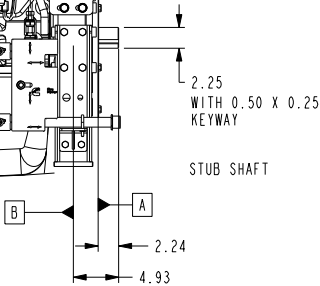


LEGEND AND DATUM IDENTIFIER

SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

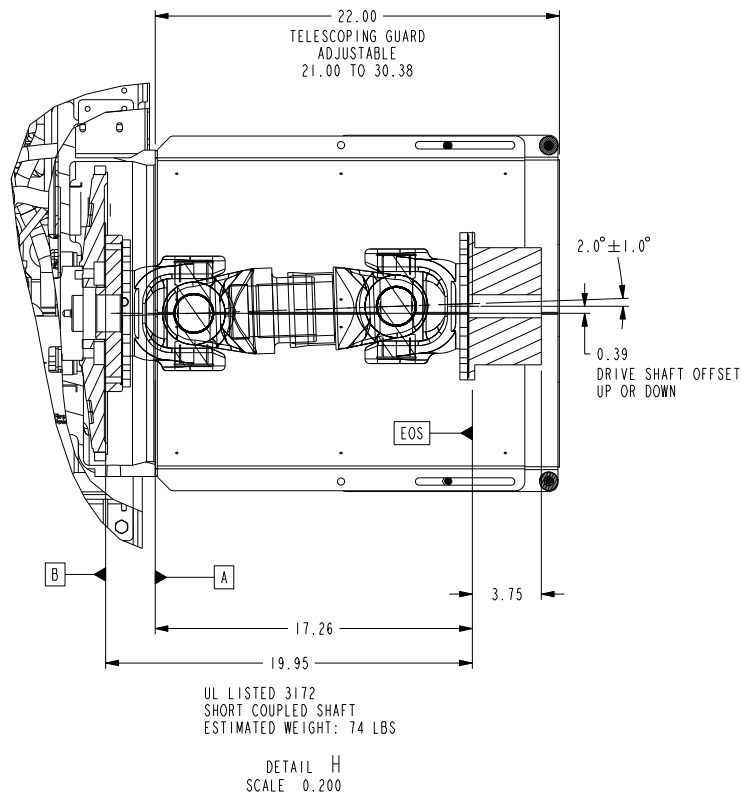
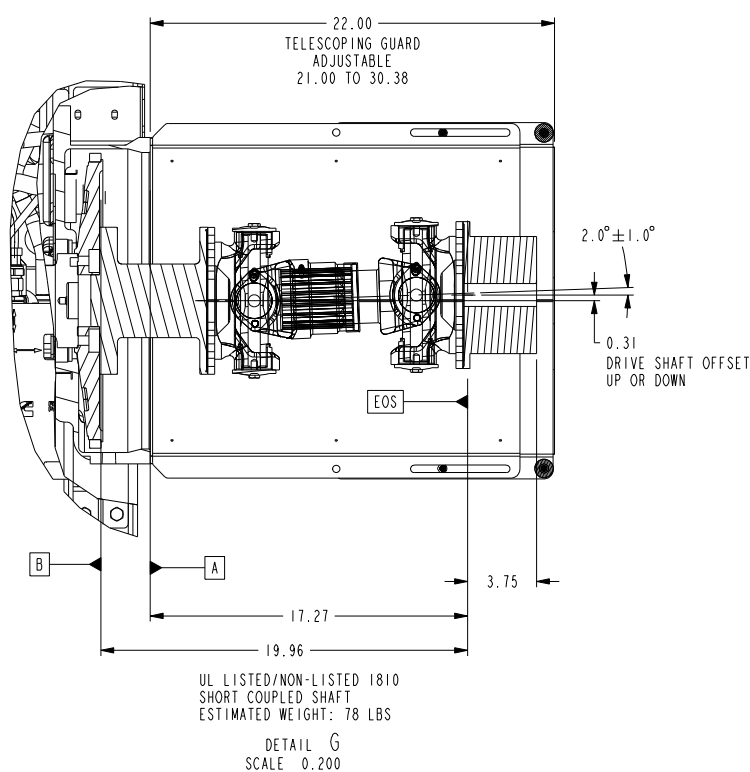
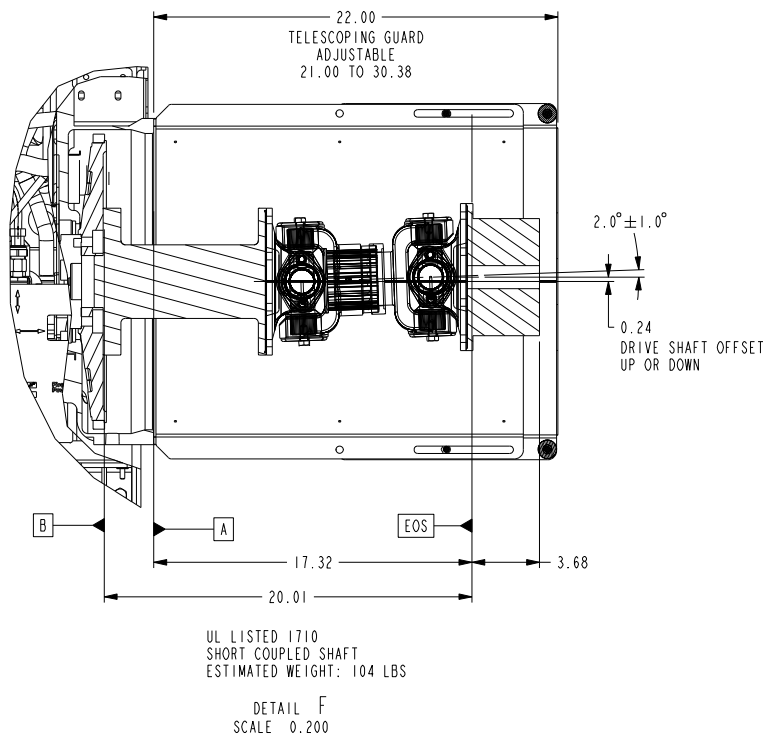
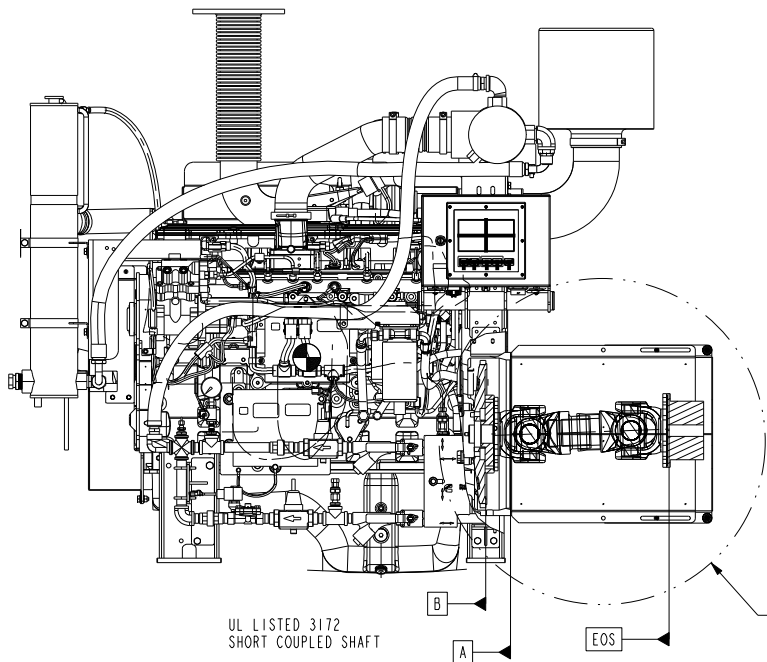
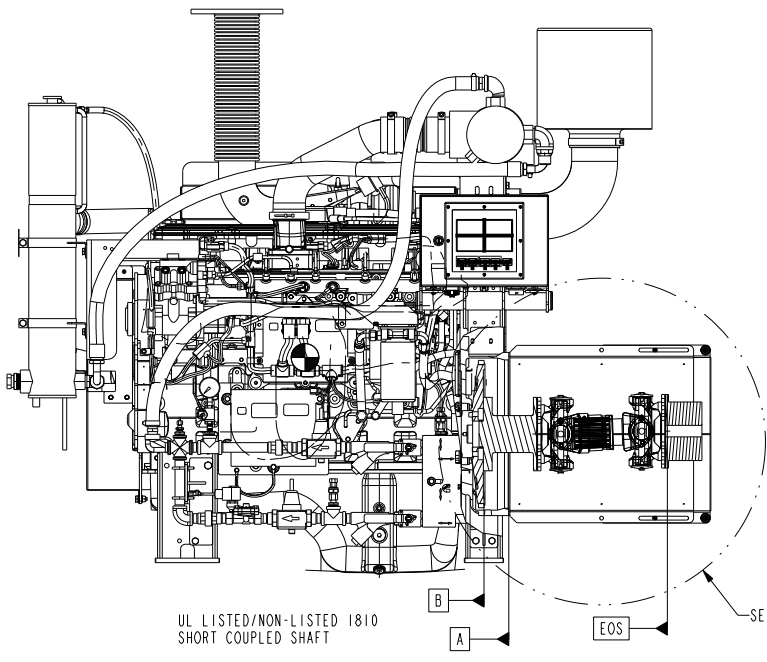
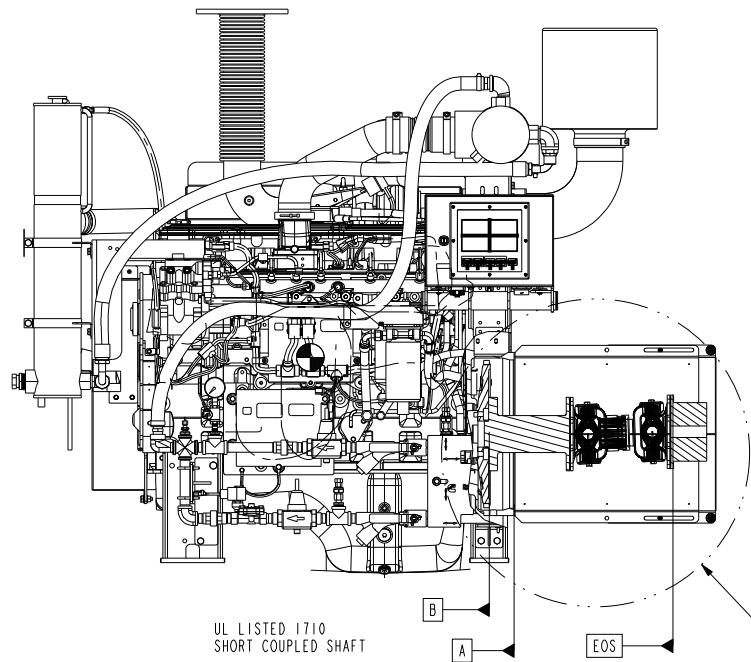
- NOTES:
1. TORSIONAL ANALYSIS REQUIRED FOR VERTICAL TURBINE INSTALLATION
 2. REFERENCE OWNERS MANUAL FOR DRIVE SHAFT ALIGNMENT SPECS
 3. DRAWING SUBJECT TO CHANGE WITH OUT NOTICE.
 4. REFERENCE SHEET 1 FOR BASE FIRE PUMP INTERFACE

This document contains confidential and trade secret information, is the property of Cummins Fire Pump LLC and is given in confidence to the recipient. The recipient, by receiving and retaining it, the recipient agrees to maintain its confidentiality and agrees that, except as authorized in writing by Cummins Fire Pump, it will not use the document or any part thereof in the manufacture, sale, or distribution of any product or service, or in any other way that would be detrimental to the competitive position of Cummins Fire Pump LLC. If the recipient is not a Cummins Fire Pump LLC employee, it must return the document, or upon demand, return the document, all copies thereof, and all material derived therefrom, to Cummins Fire Pump LLC.				Fire Power		CUMMINS FIRE POWER LLC CORPORATE OFFICE 1600 BUEKLE ROAD WHITE BEAR LAKE, MN WWW.CUMMINSFIREPOWER.COM	CUSTOM DESIGN AND OPTIC CENTER 875 LAWRENCE DRIVE DEPERE, WISCONSIN
UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE: ANGULAR DIMENSIONS: $\pm 1^\circ$				MACHINED SURFACES	IMPERIAL UNITS	METRIC UNITS	GENERAL ARRANGEMENT CFP9E-F10/20/30/40/50/60
THIRD ANGLE PROJECTION				125	DWG UNITS: IN/LB/S	SCALE: 0.125	DRAWN BY: PBS PRO-ENGINEER
REV ECO DESCRIPTION OF REVISION REV BY DATE				EST WEIGHT:		SHEET 3 OF 6	DATE: 10JAN2017 INIT ECO: 2016-668 DRAWING NO: A042J658



LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

		MIDWEST STRUCTURAL STEEL SURFACES		UNITS: IN/IN UNITS: IN/IN UNITS: IN/IN		DRWING UNITS: IN/IN DRWING DT: PDS PRO-ENGINEER		DATE: 10/24/2017 UNIT ECO: 2016-668	
				SCALE: 0.100 EST WEIGHT: 42238.628		SHEET 4 OF 6		DRAWING NO: A042J658	
REV	ECO	DESCRIPTION OF REVISION	REV BY	DATE					



LEGEND AND DATUM IDENTIFIER	
SHEET 1	INSTALLATION DRAWING
SHEET 2	GENERAL ARRANGEMENT - HORIZONTAL SPLIT CASE PUMP BASE OPTION
SHEET 3	GENERAL ARRANGEMENT - VERTICAL TURBINE PUMP BASE OPTION
SHEET 4	DRIVE LINE OPTIONS
DATUM "A"	FACE OF FLYWHEEL HOUSING
DATUM "B"	REAR LEG BOLT LOCATION
DATUM "C"	FLYWHEEL MOUNTING SURFACE
DATUM "D"	U-JOINT ADAPTER MOUNTING SURFACE
DATUM "EOS"	END OF PUMP SHAFT

ENGINE MODELS	CFP DRIVE SHAFT MATRIX					
	CFP F-RATINGS WITH MULTIPLE SHAFTS					
	RPM 1470	RPM 1760	RPM 1900	RPM 2100	RPM 2300	
CFP9E-F10	1710 SHAFT	1710 SHAFT	1710 SHAFT	1710 SHAFT	1710 SHAFT	
CFP9E-F20	1810 SHAFT	1810 SHAFT	1810 SHAFT	1710 SHAFT	1710 SHAFT	
CFP9E-F30	1810 SHAFT	1810 SHAFT	1810 SHAFT	1710 SHAFT	1710 SHAFT	
CFP9E-F40	1810 SHAFT	1810 SHAFT	1810 SHAFT	1710 SHAFT	1710 SHAFT	
CFP9E-F50	3172 SHAFT	3172 SHAFT	1810 SHAFT	1810 SHAFT	1710 SHAFT	
CFP9E-F60	3172 SHAFT	3172 SHAFT	NON LISTED 1810 SHAFT	1810 SHAFT	1710 SHAFT	

REV	ECO	DESCRIPTION OF REVISION	REV BY	DATE

This document contains confidential and trade secret information, is the property of Cummins Fire Power LLC and is given in confidence to you. The recipient, by receiving and retaining it, agrees to maintain its confidentiality and to use it only for the purposes intended. If you are not the intended recipient, you should not disseminate it, and you should notify the sender of the error. If you are the intended recipient, you should not disseminate it, and you should notify the sender of the error. If you are not the intended recipient, you should not disseminate it, and you should notify the sender of the error. If you are the intended recipient, you should not disseminate it, and you should notify the sender of the error.

UNLESS OTHERWISE SPECIFIED ALL DIMENSION TOLERANCES ARE:
ANGULAR DIMENSIONS: ± 1°
THIRD ANGLE PROJECTION

125

Fire Power

CUMMINS FIRE POWER LLC
CORPORATE OFFICE
1600 BUECKLE ROAD
WHITE BEAR LAKE, MN
WWW.CUMMINSFIREPOWER.COM

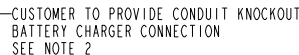
GENERAL ARRANGEMENT
CFP9E-F10/20/30/40/50/60

DWG UNITS: IN/LB/S
SCALE: 0.100
EST WEIGHT: 42238.628

DRAWN BY: PBS
PRO-ENGINEER

SHEET 5 OF 6

DATE: 10JAN2017
INIT ECO: 2016-668
DRAWING NO: A042J658



- NOTES:
1. CONTROL PANEL TERMINAL BLOCKS
1, 2, 3, 4, 5, 9, 10, 301, 302, 303, 304, 310, 311, 312
 2. BATTERY CHARGER CONNECTION BOX TERMINAL BLOCKS
6, 8, 11

This document contains confidential and trade secret information, is the property of Cummins Fire Power LLC and is given to the receiver in confidence. The receiver, by receiving and retaining of the document accepts the document in confidence and agrees that, except as authorized in writing by Cummins Warner, it will (1) not use the document or any copy thereof or the confidential or trade secret information therein, (2) not copy the document, (3) not disclose to others either the document or the confidential or trade



CUMMINS FIRE POWER LLC
CORPORATE OFFICE
1600 BUEKLE ROAD
WHITE BEAR LAKE, MN
WWW.CUMMINSFIREPOWER.COM

CUSTOM DESIGN
AND UPFIT CENTER
875 LAWRENCE DRIVE
DEPERE, WISCONSIN

GENERAL ARRANGEMENT
CFP9E-F10/20/30/40/50/60

DWG UNITS: IN/IR/S	DRAWN BY: PBS PRO-ENGINEER
-----------------------	--------------------------------------

SCALE: 0.125	S 6
EST. WEIGHT:	

EST WEIGHT.	
-------------	--

DATE: 10 JAN 2017
INIT ECO: 2016

DRAWING NO:
A042J658

REV	ECO	DESCRIPTION OF REVISION	REV BY	DATE